



12/12/03

PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction act of 1995, no person is required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)		Application Number	10/717,322
		Filing Date	November 19, 2003
		First Named Inventor	Dubberstein
		Group Art Unit	Not Assigned
		Examiner Name	Not Assigned
Total Number of Pages in This Submission	8 PWS (112) 227	Attorney Docket Number	135548UL (15028US01)
<b>ENCLOSURES (check all that apply)</b>			
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> <b>Information Disclosure Statement</b> <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> <b>Other Enclosure(s) (please identify below):</b> <b>Form PTO-1449 (w/enclosures)</b>	
Remarks			
<b>SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT</b>			
Firm or Individual Name	McAndrews Held & Malloy, Ltd.		
Signature			
Date	December 11, 2003		
<b>CERTIFICATE OF MAILING</b>			
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as Express Mail under Express Mail Label No. EV 303830623 US, addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this date: December 11, 2003			
Name (Print/type)	David R. Beto	Registration No. (Attorney/Agent)	51,467
Signature		Date	Dec. 11, 2003



Docket No. 135548UL (15028US01)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the Application of: )  
Dubberstein et al. )  
Serial No.: 10/717,322 )  
Filed: November 19, 2003 )  
For: **AUTOMATIC COLOR GAIN** )  
**ADJUSTMENTS** )  
Examiner: Unassigned )  
Group Art Unit: Unassigned )

**EXPRESS MAIL NO: EV 303830623 US**

**DATE OF DEPOSIT: December 11, 2003**

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Patent Application  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, it is respectfully requested that the following reference(s) be considered in the examination of the above-identified patent application:

**U.S. PATENT DOCUMENTS**

<b><u>Patent/Publication No.</u></b>	<b><u>Issue Date</u></b>	<b><u>Inventor(s)</u></b>
4,926,872	05/22/90	Brock-Fisher et al.
5,014,710	05/14/91	Maslak et al.
5,099,848	03/31/92	Parker et al.

<b><u>Patent/Publication No.</u></b>	<b><u>Issue Date</u></b>	<b><u>Inventor(s)</u></b>
5,161,535	11/10/92	Short et al.
5,165,413	11/24/92	Maslak et al.
5,190,044	03/02/93	Kawasaki et al.
5,197,477	03/30/93	Peterson et al.
5,257,624	11/02/93	Fraser et al.
5,285,788	02/15/94	Arenson et al.
5,313,948	05/24/94	Murashita et al.
5,315,999	05/31/94	Kinicki et al.
5,373,848	12/20/94	Melton, Jr. et al.
5,409,010	04/25/95	Beach et al.
5,441,052	08/15/95	Miyajima
5,471,990	12/05/95	Thirsk
5,482,045	01/09/96	Rust et al.
5,579,768	12/03/96	Klesenski
5,609,485	03/11/97	Bergman et al.
5,622,173	04/22/97	Bisson et al.
5,910,119	06/08/99	Lin
6,071,242	06/06/00	Lin
6,177,923 B1	01/23/01	Arenson et al.

<u>Patent/Publication No.</u>	<u>Issue Date</u>	<u>Inventor(s)</u>
6,210,168 B1	04/03/01	Aiger et al.
6,436,040 B1	08/20/02	Collamore et al.
6,547,736 B1	04/15/03	Moehring et al.
2003/0100833 A1	05/29/03	He et al.
2002/0151794 A1	10/17/02	Li

### **FOREIGN PATENT DOCUMENTS**

<u>Document No.</u>	<u>Date</u>	<u>Country</u>
DE 198 19800 A1	12/03/98	Germany
EP 0 830 842 A1	03/25/98	EPO
EP 0 952 458 A2	10/27/99	EPO

### **OTHER ART**

Daniel W. Rickey, "Evaluation of Doppler Ultrasound Velocity and Flow Measurements."

Joseph A. Kisslo, MD; David B. Adams, RDCS, "Doppler Color Flow Imaging #4."

J. Brian Fowlkes, Ph.D., "Engineering Medical Imaging Laboratory (BME 510): Ultrasound Laboratory Experiment #3," *BME 510: Winter 2003*.

Joseph A. Kisslo; MD, David B. Adams, EDCS; Graham J. Leach, MA, "Essentials of Echocardiography #1."

Eberhard Brunner, "How Ultrasound System Considerations Influence Front-End Component Choice," *Analog Dialogue* 36-03 (2002).

The above-identified reference(s) are listed on the attached PTO Form 1449. Copies of the Foreign Patent Documents and Other Art are also enclosed herewith. No copies of the U.S. patents and patent application publications are enclosed, since it is understood that the U.S. Patent and Trademark Office has waived that requirement in all U.S. national patent applications filed after June 30, 2003.

This submission, is in no way intended as an admission that the above-cited references constitute prior art under any subsection of 35 U.S.C. § 102. Applicant expressly retains the right to take any actions necessary to remove the above-cited references from the available prior art.

Consideration of the above-identified references in the examination of the present patent application is respectfully requested.

No fee is believed to be due because this statement is filed within three months of the filing date of this application and before the first Office Action on the merits thereto has been mailed by the PTO. The basis of this belief is that no Office Action on the merits appears to have been received by the undersigned to date. Please charge any fees due in connection with this statement to the deposit account of GTC, Account No. 070845.

Respectfully submitted,

Date: December 11, 2003



David R. Beto  
Reg. No. 51,467

McAndrews, Held & Malloy, Ltd.  
500 West Madison Street  
34th Floor  
Chicago, IL 60661  
Phone: (312) 775-8000

FORM PTO-1449	SERIAL NO. 10/717,322	CASE NO. 135548UL (15028US01)
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE November 19, 2003	GROUP ART UNIT
(use several sheets if necessary)		APPLICANT(S): Dubberstein et al.

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
	A1	4,926,872	05/22/90	Brock-Fisher et al.		
	A2	5,014,710	05/14/91	Maslak et al.		
	A3	5,099,848	03/31/92	Parker et al.		
	A4	5,161,535	11/10/92	Short et al.		
	A5	5,165,413	11/24/92	Maslak et al.		
	A6	5,190,044	03/02/93	Kawasaki et al.		
	A7	5,197,477	03/30/93	Peterson et al.		
	A8	5,257,624	11/02/93	Fraser et al.		
	A9	5,285,788	02/15/94	Arenson et al.		
	A10	5,313,948	05/24/94	Murashita et al.		
	A11	5,315,999	05/31/94	Kinicki et al.		
	A12	5,373,848	12/20/94	Melton, Jr. et al.		
	A13	5,409,010	04/25/95	Beach et al.		
	A14	5,441,052	08/15/95	Miyajima		
	A15	5,471,990	12/05/95	Thirsk		
	A16	5,482,045	01/09/96	Rust et al.		
	A17	5,579,768	12/03/96	Klesenski		
	A18	5,609,485	03/11/97	Bergman et al.		
	A19	5,622,173	04/22/97	Bisson et al.		
	A20	5,910,119	06/08/99	Lin		
	A21	6,071,242	06/06/00	Lin		
	A22	6,177,923 B1	01/23/01	Arenson et al.		
	A23	6,210,168 B1	04/03/01	Aiger et al.		
	A24	6,436,040 B1	08/20/02	Collamore et al.		
	A25	6,547,736 B1	04/15/03	Moehring et al.		
	A26	2003/0100833 A1	05/29/03	He et al.		
	A27	2002/0151794 A1	10/17/02	Li		
	A28					
	A29					
	A30					
	A31					
	A32					
	A33					
	A34					
	A35					
	A36					
	A37					
	A38					
	A39					

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	SERIAL NO. 10/717,322	CASE NO. 135548UL (15028US01)
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE November 19, 2003	GROUP ART UNIT
(use several sheets if necessary)		APPLICANT(S): Dubberstein et al.

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
	A40					
	A41					
	A42					
	A43					
	A44					
	A45					

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES	NO
	A1	DE 198 19800 A1	12/03/98	Germany			
	A2	EP 0 830 842 A1	03/25/98	EPO			
	A3	EP 0 952 458 A2	10/27/99	EPO			

EXAMINER INITIAL	OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)	
	A4	Joseph A. Kisslo, MD; David B. Adams, RDCS, "Doppler Color Flow Imaging #4"
	A5	J. Brian Fowlkes, Ph.D., "Engineering Medical Imaging Laboratory (BME 510): Ultrasound Laboratory Experiment #3," <i>BME 510: Winter 2003</i>
	A6	Joseph A. Kisslo; MD, David B. Adams, EDCS; Graham J. Leach, MA, "Essentials of Echocardiography #1"
	A7	Eberhard Brunner, "How Ultrasound System Considerations Influence Front-End Component Choice," <i>Analog Dialogue 36-03 (2002)</i>
	A8	Daniel W. Rickey, "Evaluation of Doppler Ultrasound Velocity and Flow Measurements"

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.